

## **SITE REGISTRY REPORT**

### **WATER QUALITY ASSURANCE REVOLVING FUND SITE 20TH STREET AND FACTOR AVENUE Yuma, Yuma County, Arizona March 30, 2000**

The 20th Street and Factor Avenue Water Quality Assurance Revolving Fund (WQARF) site is located on the south side of 20th Street, east of Arizona Avenue, in Yuma, Arizona. The site is approximately bounded by 19th Street to the north, 21st Street to the south, Kennedy Lane to the east, and Rail Avenue to the west. The attached map shows the actual site boundary.

The facility at 655 E. 20th Street has operated from the mid-1960s until present. Its operations included film processing and manufacturing photographic products. According to reports prepared by the property owner's consultants, wastewater was discharged to an underground collection tank. When the tank was full, the wastewater was discharged to the ground on east and south sides of the facility. Soil staining was observed on the east and south sides of the facility and also on the vacant lot adjacent to the east side of the facility. This indicates that wastewater from the site likely flowed onto the vacant lot. Additionally, wastewater was used to water plants in the landscaped areas at the facility. The facility has modified its operations so that, at present, no wastewater is generated.

The contaminants of concern are tetrachloroethylene (PCE) and metals. PCE was used in a vapor degreaser, and, in 1978, 15 to 20 gallons of PCE were accidentally discharged to the underground collection tank. In 1994, PCE was detected in the wastewater. PCE has also been detected in the onsite and offsite groundwater monitoring wells at levels that exceed the Arizona Aquifer Water Quality Standard of 5.0 micrograms per liter for PCE. The most recent sampling results from the onsite monitoring wells indicate that PCE is present at concentrations ranging from 5.2 to 1,300 micrograms per liter. The nearest downgradient domestic and irrigation wells have been sampled, and PCE was not detected in any of them. These wells are not used for drinking water.

Metals have been detected in onsite soils and groundwater. Lead and selenium have been detected in one onsite groundwater monitoring well above the Arizona Aquifer Water Quality Standards of 15 micrograms per liter for lead and 50 micrograms per liter for selenium. Metals are not expected to migrate to the nearest domestic and irrigation wells. This is because metals have much lower mobility than PCE, and PCE was not detected in any of the domestic and irrigation wells.

No actual public health impacts have been identified. However, PCE may travel to the nearby wells, and that, at some point in the future, incidental exposure may occur through irrigation and/or spraying the water.

The Eligibility and Evaluation (E&E) score for this site is 31. The Arizona Department of

Environmental Quality (ADEQ) proposes that the 20th Street and Factor Avenue site be added to the WQARF Registry established pursuant to Arizona Revised Statutes (ARS) § 287.01(D).

This Site Registry Report (SRR) was prepared to meet the requirements of ARS § 287.01(B). The attached Eligibility and Evaluation (E&E) score was prepared in accordance with the E&E model dated October 2, 1996, developed by the Ground Water Cleanup Task Force. ARS § 287.01(C) outlines the process for listing a site on the WQARF Registry. The process includes a 15-day owner/operator comment period followed by a 30-day public comment period. At the conclusion of the public comment period, ADEQ will consider any comments made before issuing a final E&E score and placing the site on the Registry.

This Site Registry Report is based upon information available as of the date shown. Site boundaries depicted on the attached Site Boundary Map represent ADEQ's interpretation of data available at the time the map was constructed. The map is intended to provide the public with basic information as to the estimated geographic extent of known contamination as of the date of the SRR. The actual extent of contamination may be different. Therefore, the geographic boundaries for this site may change in the future as new information becomes available.

An updated SRR and associated Site Boundary Map will not be issued. As new information becomes available, during the remedial investigation or otherwise, it will be made available for public review through placement in the public file.

## **FILE INFORMATION**

### **WATER QUALITY ASSURANCE REVOLVING FUND 20TH STREET AND FACTOR AVENUE SITE YUMA, YUMA COUNTY, ARIZONA**

The Arizona Department of Environmental Quality Site Assessment Unit has the following files regarding this site:

- ! 20th Street and Factor Avenue Site Registry File
- ! Houston International PA/SI File

To review any of these files, please contact the ADEQ Records Center at (602) 207-4378 to arrange an appointment to review the files.

The Arizona Department of Environmental Quality Hazardous Waste Section has a closed case file for Houston International. To review this file, contact Wayne Hood, Jr., at (602) 207-4234 to set an appointment.